

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/252,828
Date Submitted: March 27, 2003				Filing Date	02/19/1999
(use as many sheets as necessary)				First Named Inventor	Ke-Wen DONG
Sheet	1	of	2	Group Art Unit	1641
				Examiner Name	Lisa COOK
				Attorney Docket Number	024754-0114

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
Smur	A1	4,554,101		T. P. Hopp	11-19-1985
	A2	5,272,071		S.C. Chappel	12-21-1993
↓	A3	5,641,670		D. A. Treco et al.	06-24-1997

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
Smur	A4	BLEIL, JEFFREY A. et al., <i>Structure and Function of the Zona Pellucida: Identification and Characterization of the Proteins of the Mouse Oocyte's Zona Pellucida</i> , Dev. Biol. 76: pgs. 185-202, (1980)			
	A5	SALING, PATRICIA, <i>Mammalian Sperm interaction with extracellular matrices of the egg</i> , Oxford Reviews of Reproductive Biology, 11: pgs. 339-388, (1989)			
	A6	SALING, PATRICIA, <i>How the Egg Regulates Sperm Function during Gamete Interaction: Facts and Fantasies</i> , Biology of Reproduction, 44: pgs. 246-251, (1991)			
	A7	KINLOCH, ROSS A. et al, <i>Primary Structure of the mouse sperm receptor polypeptide determined by genomic cloning</i> , Proc. Natl. Sci., 85, pgs. 6409-6413, (1988)			
	A8	BEEBE, STEPHEN J. et al., <i>Recombinant Mouse ZP3 Inhibits Sperm Binding and Induces the Acrosome Reaction</i> , Dev. Biol., 151: pgs. 48-54, (1992)			
	A9	BURKMAN, LANI J., et al. <i>The hemizona assay (HZA): development of a diagnostic test for the binding of human spermatozoa to the human hemizona pellucida to predict fertilization potential</i> , Fertility and Sterility, 49: pgs. 688-693, (1988)			
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Examiner Signature	Surane M. Mayer	Date Considered	4-7-2005
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¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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Suzanne	A12	BARBOSA, JAMES A., <i>Site-Directed Mutagenesis of Class I HLA Genes: Role of Glycosylation in Surface Expression and Functional Recognition</i> , J. Exp. Med. 168: pgs. 1329-50 (1987)			
↓	A13	MANSOUR, SUZANNE L., <i>Disruption of the proto-oncogene int-2 in mouse embryo-derived stem cells: a general strategy for targeting mutations to non-selectable genes</i> , Nature, 336: pgs. 348-349, (1988)			

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Somm	4,444,879	04/24/84	Foster et al.			01/29/81

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EXAMINER	DATE CONSIDERED
Suzanne M. Mayer	4-7-2005

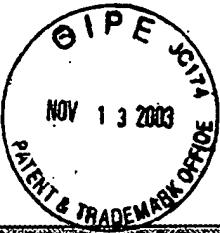
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 113019.179US1	SERIAL NO. 09/252,828			
		APPLICANT Ke-Wen DONG et al.				
		FILING DATE February 19, 1999	GROUP 1641			
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						Yes
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
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Dwane M. Mayer

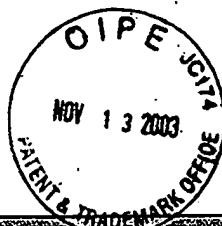
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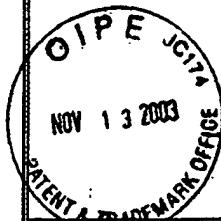
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